

18.5-inch Industrial Panel PC

KTB-PE185



Product Features

- 18.5" touch/non-touch screen (1366*768 / 1920*1080)
- Intel Celeron/Core i3-i7 (3rd-13th Gen) options
- Front panel/wall/desktop mounting
- 1*HDMI+1*VGA, 1/2*LAN, 2-4*USB, 2*COM, up to 6*COM, optional GPIO
- IP65 front (dust/waterproof)
- Full-aluminum fanless quiet design

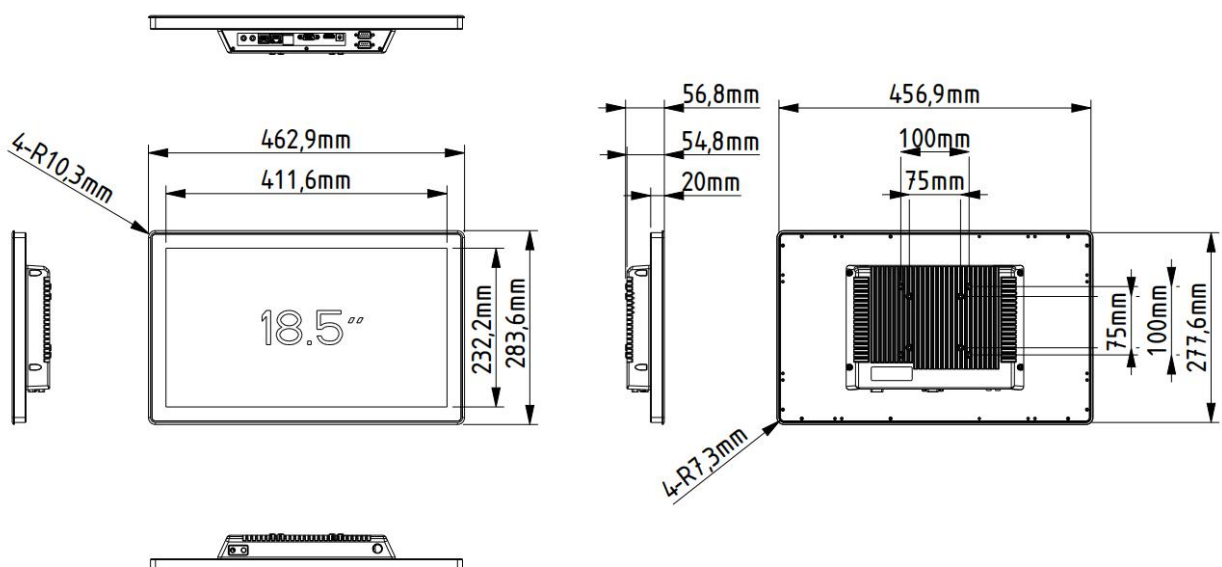
Note: The picture shows a prototype for reference only; the actual product shall prevail.

KTB-PE185 features a 18.5-inch 1366*768 / 1920*1080 FHD capacitive touch screen (non-touch optional), supporting Intel Celeron (J1900/N100) or Core i3-i7 (3rd-13th Gen) processors, with up to 64GB expandable memory for varied computing needs.

It offers flexible interfaces: single/double LAN, 4/2 USB, 2-6 COM ports, plus HDMI+VGA dual displays—ideal for industrial multi-device connections.

With a full-aluminum fanless enclosed design, IP65 front panel, and support for embedded/wall/desktop mounting, it operates at 0-50°C (storage: -20-60°C). Compatible with Windows/Linux, it can add WiFi/Bluetooth/4G modules, suiting industrial control, commercial displays, and smart terminals.

Dimensions



18.5-inch Industrial Panel PC

Specifications

Model		KTB-PE185					
Processor	CPU	Intel Celeron J1900/J6412/J4125/J4105/N100 Intel Core i3-i5-i7 (3rd/4th/6th/7th/8th/10th/11th/12th/13th Gen optional)					
Memory		Celeron/Core J1900/3rd/4th	Celeron J4125/J4105	N100 N Series	Celeron J6412/J6413	Core 6/7/8th Gen	Core 10/11/12th Gen
	Architecture	1*DDR3 SO-DIMM	1*DDR4 SO-DIMM	1*DDR4 SO-DIMM	1*DDR4 SO-DIMM	2*DDR4 SO-DIMM	2*DDR4 SO-DIMM
	Capacity	Up to MAX 8GB	Up to MAX 8GB	Up to MAX 16GB	Up to MAX 32GB	Up to MAX 32GB	Up to MAX 64GB
I/O Interfaces	HDMI	1*HDMI					
	VGA	1*VGA					
	LAN	1*RJ45 / 2*RJ45 (10/100/1000Mbps)					
	Audio	1*Line-out, 1*Mic-in					
	COM	2*COM (max 6 supported, COM2/3 optional RS485)					
	USB	4*USB3.0 (single LAN) / 2*USB3.0 (dual LAN)					
	Watchdog	255-level programmable					
	GPIO	Optional					
Expansion Slots	PCIE	1*mPCIE (supports WIFI/Bluetooth expansion)		2*mPCIE (supports WIFI/Bluetooth/4G (5G optional) expansion)			
	SSD	1*SATA3.0, 1*mSATA		1*M.2 M Key slot (SATA/PCIE3.0) , 1*SATA3.0			
OS	OS	Windows, Linux					
Power Supply	Input	12V/5A					
Mechanical Specs	Screen Size	18.5” 16:9					
	Resolution	Optional 1366*768 / 1920*1080					
	Brightness	200-300cd/m² standard (high brightness customizable)					
	Panel Cutout	/					
	Overall Dimensions	462.9mm*283.6mm*56.8mm					
	Weight	/					
	Touch Screen	Capacitive standard, resistive optional (contact customer service for non-touch)					
	Material	Aluminum alloy case, fanless design, front panel IP65 protection					
	Bezel Color	Gray					
	Mounting	Embedded, wall-mounted, desktop					
Environmental Specs	Operating Temperature	0~50℃					
	Storage Temperature	-20℃~60℃					
	Certifications	CCC CE ROHS					
Ordering Information		Configuration					
KTB-PE185		J1900/1*LAN/4*USB/2*RS232/VGA+HDMI/12V					
		J4125/1*LAN/4*USB/2*RS232/VGA+HDMI/12V					
		J4105/1*LAN/4*USB/2*RS232/VGA+HDMI/12V					
		J6412/2*LAN/2*USB/2*RS232/VGA+HDMI/12V					
		N100/2*LAN/2*USB/2*RS232/VGA+HDMI/12V					
		I3/2*LAN/2*USB/2*RS232/VGA+HDMI/12V					
		I5/2*LAN/2*USB/2*RS232/VGA+HDMI/12V					
		I7/2*LAN/2*USB/2*RS232/VGA+HDMI/12V					